

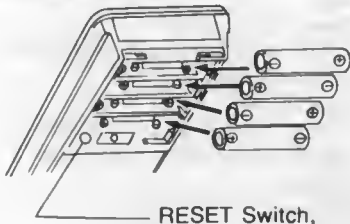
# OWNER'S MANUAL

## UNIVERSAL REMOTE CONTROL



## INSTALLING BATTERIES

The URC is powered by four AAA batteries. Use only alkaline batteries. The URC requires the extra power of alkalines and might not perform properly with standard or rechargeable batteries.

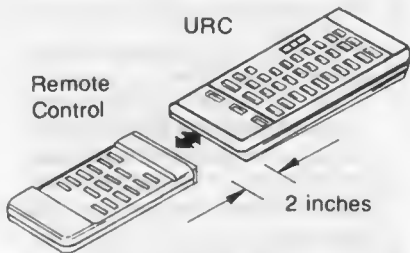


1. Remove the battery compartment cover by sliding it off in the direction of the arrow.
2. Install four new AAA batteries, observing the polarity (+ and -) marked in the compartment.
3. If you are installing batteries for the first time, use a pen or pencil to press [RESET] inside the battery compartment.

# **OPERATION INSTRUCTION**

## **A. LEARN OPERATION:**

1. Set to the learn mode: to program the commands from other remote control to URC you must set the URC to the learn mode.
2. Press "Learn" key: this button is recessed to prevent accidental storing or erasing of commands. So you might have to use the tip of a pen or pencil to press it. The learn indicator light when the URC is in the learn mode.
3. Aligning the head of remote control to be learned at the end of URC with about 2 inches from URC however the required distance may vary on learn effect. Try various distance if had a unsuccessful memorization of a command.
4. Set the device switch to the desired device name.
5. Press and hold down the URC command button you want to



teach first, then press and hold down the remote control button that you want URC to learn (Note! Do not release any one of the two keys on URC and remote control now, otherwise it will have a false learning).

6. When the "Learn Ok / Sending" indicator light steadily, it means the URC received the remote control's signal. Release both keys now.
7. Repeat steps 5 — 6 to teach URC more commands from the same remote control under the same device switch setting.

8. If the "Error" indicator light steadily, it mean the learning is unsuccessful. Please check following points:
- (A). Check the remote control batteries. Commands can not be stored if the batteries are weak.
  - (B). Check if URC/Remote control alignment and spacing is too far or too short.
  - (C). Check if a strong light. Such as direct sunlight. Is striking the head of URC.
  - (D). The remote control might use control signals that the URC can not learn.
  - (E). Key is released before "Learn Ok/Sending" indicator light.
9. If the "Error/Memory Full" indicator flash. It indicate the memory of URC is full and no further command can be learned. You must use the delete key to delete some unnecessary commands on URC to get enough memory to learn.

10. If the "Battery Low" indicator light steadily. It mean the batteries in the URC is getting weak. The URC should operate normally when you install fresh batteries. If you continue to use the URC after the battery low indicator lights, the URC soon stops working.
11. To exit from learn mode, press "Learn" key again. The "Learn" indicator will off and URC leave the learn mode.
12. The URC automatically exit the learn mode if you don't press any button for 2 minutes.  
The URC can hold the learned commands in memory for about 2 to 2.5 minutes without batteries installed.

## **B. Macro:**

1. You can combine many keys function into one key. Up to 10 commands can be stored under one key. This makes it possible to perform a series of operations by just pressing a key.

For example, for a routine operations to view a video tape, the following are required:

- A. Turn the TV On. — Key A
- B. TV A/V. — Key B
- C. Turn VCR On. — Key C
- D. VCR Play. — Key D

By storing a series of these commands under a single key, all of these operations can be proceeded by just pressing that key instead of 4 keys. So you can program key M<sub>1</sub> to be the macro key of key A + key B + key C + key D.

2. Programming:
  - (A). Press "Learn" key to enter the learn mode. "Learn" indicator lights.

- (B). Press "Macro", "Key M<sub>1</sub>", "Key A", "Key B", "Key C", "Key D" "Macro" in series.  
Now "Key M<sub>1</sub>" is the macro key for the 4 keys.
- (C) Repeat step B to program other marco key.
- (D). Press "Learn" key to exit macro function, "Learn" indicator off.
- (E). Any key and any bank can be programmed to macro key.

If macro key can not function well, please check following points:

- (A). Check if each learning key function correctly.
- (B). Check if the sequence of the marco commands was correct.
- (C). If the remoted controlled equipments take a relatively long time to be activated by a required command, the next command could be transmit-



ted to the equipment before it is ready to receive it. In such a case, to gaining time between two required commands, please insert the required number of identical commands as the first command. Or to insert other non-effective signals between them.

### **C. Delete Function:**

1. Delete key enable you to delete the function fo any single key and that key can learn a new fuction. Without delete key, the user has to use reset key which will erase all memories in the URC and all keys has to re-learn.
2. If the "Memory Full" indicator light under learn mode, you need to use the delete key to delete some keys in order to get the memory space for further learning.

3. Operation:

- (A). Press "Delete" key, the "Delete" indicator flash which mean URC is in delete mode.
- (B). Press the key you want to delete, then the "Delete" indicator is off mean the data in this key is been erased and URC leave the delete mode.
- (C). If URC is in delete mode but you want to leave the delete mode, then press "Delete" key again and the "Delete" indicator will off.
- (D). Repeat step A and B if you want to delete more keys.

D. Sending:

- 1. The sending indicator will light if you press any key on the URC except "Reset", "Delete", "Macro" and "Learn".
- 2. If the error indicator light when you press key, it mean this key is not been programmed and there is no data in the key.

#### **E. Bank Switch:**

1. The URC has 32 programmable command buttons.  
Each command button can be programmed up to eight different remote controls. Select the desired bank name by using the bank switch before you program the command.
2. The bank switch has 8 settings — TV, VCR, LD, CV, TUNER, AMP, BS, Option. However the equipments name printed on URC are only for reference. You can use each switch position for any remote control equipment.

#### **F. Reset:**

1. Press "Reset" key to erase all memory in programmed keys.
2. To prevent accidental erasing of all commands, the reset button is located on the back of URC.

## **SPECIFICATIONS:**

- **Operating System:**  
Programmable infrared remote control system
- **Audio / Video Compatibility:**  
Most brands of infrared controlled digital audio tape, tape deck, laser disc, compact disc, television, cable box, VCR and surround sound amplifier
- **Memory Capacity:**  
128 Commands
- **Memory Hold Time Without Batteries:**  
2.5 Minutes
- **Effective Range:**  
25 Feet (7.6 meters)
- **Effective Angle:**  
+ / - 30 Degrees
- **Infrared Carrier Frequency Range:**  
21.74KHz to 62.50KHz

- **Macro Function:**  
Any key at any bank can be a macro key  
Each macro key can hold up to 10 learnt key combination  
300ms interval between each learnt key
- **Power Requirement:**  
4 AAA batteries (alkaline batteries recommended)
- **Battery Life:**  
Continuous operation — 40 hrs  
Standby operation — more than 6 months
- **Dimension:**  
7-1/4x2-5/8x1-1/8 inches  
185x68x28mm
- **Number of Keys:** 32 Keys
- **Number of Bank:** 8 Banks